

## 13.56 MHz Contactless and 125 kHz Proximity Card Reader • 6125

- ▶ **Simple Migration** – From the most popular proximity technologies to iCLASS®.
- ▶ **Powerful Options** – Provides flexible options for processing multi-technology cards and configuring the reader's audio/visual characteristics.
- ▶ **GSA approved** – Included in the U.S. General Services Administration (GSA) FIPS 201 Approved Products List.



### **ACCESS** upgrade.

**The RP40 is a multi-technology card reader** designed for customers upgrading their current card system from the most popular proximity technologies to iCLASS® credentials. With the RP40 reader, the customer has the ability to transition to smart cards over time while incorporating the use of multiple card technologies within a single building or across multiple facilities.

Unlike contactless smart card serial number readers, the RP40 multiCLASS™ reader provides enhanced security through mutual authentication and data encryption. HID, Indala and other popular proximity technologies are supported by the RP40. The RP40's design allows project-specific formats and keys, and enables HID to support additional technologies as they become available.

Only the RP40 provides true iCLASS security, the ease of proximity technology, the power of smart cards and the confidence of choosing HID, the worldwide leader in access control.

#### **Unique Read Selection**

- ▶ Enable iCLASS, proximity or both technologies at the same time.
- ▶ Multiple data outputs available when multi-technology card is presented depending on preference.
- ▶ Configuration cards can configure the reader to custom installation requirements.
- ▶ Reads: 125 kHz – HID, Indala or AWID Proximity  
13.56 MHz – iCLASS, DESFire® - ISO 15693 CSN (MyD, ICODE, Tag-it), ISO 14443A CSN (MIFARE®) and US Government PIV

#### **Seamless Upgrade**

- ▶ Same HID and Indala Proximity reader features and format compatibilities.
- ▶ Ultra-low current consumption (75 mA).
- ▶ Larger voltage span (5-16 VDC).
- ▶ Same iCLASS reader features and interchangeable for reading iCLASS credentials.
- ▶ All Corporate I1000 formats can be migrated.
- ▶ For additional security, our Elite program is available with iCLASS credentials.
- ▶ Wiegand or Clock-and-Data outputs easily interface with existing access control panels.

# Features

## Security

64-bit authentication keys are extremely secure. Readers and cards require matching keys to function. All RF data transmission between the card and reader is encrypted, using a secure algorithm. The key management system reduces the risk of compromised data or duplicated cards.

## Elite Custom Keys

Custom keys provide the highest level of security, where cards and readers are uniquely matched to individual sites or customers, and are non-interchangeable. Combining Elite custom keys with our Corporate 1000 can offer companies a scalable solution that can be implemented in facilities worldwide.

## Audiovisual Indication

Audio sounder provides various tone sequences to signify access granted, access denied, power up and diagnostics. Visually impaired cardholders can easily distinguish between access granted and access denied. A high-intensity light bar provides a clear visual status indication in red, green or amber, even in bright sunlight. (Note: Light bar will illuminate amber when a PIV/FIPS 201 card is read.)

## Easily Interfaced

The reader's Wiegand output easily interfaces with most existing Wiegand protocol access control panels. The reader reads standard HID format data and will output data as encoded. When reading MIFARE® cards, the reader can be configured to output 26-bit, 32-bit, 34-bit, 37-bit, 40-bit, or 56-bit Wiegand formats, based on the card serial number.

## Indoor/Outdoor Design

Rugged, weatherized polycarbonate enclosure, designed to withstand harsh environments, provides reliable performance and resistance to vandalism. A tamper switch in reader housing facilitates the notification of a tamper alarm.

## Options

Colors - Black or Gray  
 Key Management - Standard, Elite or Custom  
 Selectable Output Type (for MIFARE cards)  
 Termination Options: 18" (46 cm) Pigtail  
 Programmable LED/Beeper operation  
 Accessory - Security Tool; 04-0001-03

### RP40 multiCLASS™ Reader

<b>Model Number</b>	6125 Wiegand output 6128 Clock-and-Data output (Consult How to Order Guide for specific ordering conditions.)		
<b>*Read Range</b>	<table border="1"> <tr> <td>iCLASS Card: 3.5 – 4.25" (9.0 - 11.0 cm) iCLASS Key/Tag: 1.0-2.0" (2.5 - 5.0 cm) HID Prox ISO Card: 2.5 – 3.5" (6.5 - 9.0 cm) HID Prox Clamshell Card: 3.5 – 4.0" (9.0 - 10.0 cm)</td> <td>HID Prox Keyfob/Tag: 1.0 – 2.25" (2.5 - 5.5 cm) Indala Proximity ISO Card: 1.5 – 2.0" (4.0 - 5.0 cm) Indala Proximity Clamshell Card: 1.75 – 2.25" (4.5 - 5.5 cm) Indala Proximity Keyfob/Tag: 1.0 – 1.75" (2.5 - 4.5 cm)</td> </tr> </table>	iCLASS Card: 3.5 – 4.25" (9.0 - 11.0 cm) iCLASS Key/Tag: 1.0-2.0" (2.5 - 5.0 cm) HID Prox ISO Card: 2.5 – 3.5" (6.5 - 9.0 cm) HID Prox Clamshell Card: 3.5 – 4.0" (9.0 - 10.0 cm)	HID Prox Keyfob/Tag: 1.0 – 2.25" (2.5 - 5.5 cm) Indala Proximity ISO Card: 1.5 – 2.0" (4.0 - 5.0 cm) Indala Proximity Clamshell Card: 1.75 – 2.25" (4.5 - 5.5 cm) Indala Proximity Keyfob/Tag: 1.0 – 1.75" (2.5 - 4.5 cm)
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<b>Mounting</b>	A three-part reader makes installation easier. Mounting plate attaches to U.S./EU/Asian back box, 52-60 mm screw hole spacing (vertical or horizontal), or to any flat surface. Reader body fits onto mounting plate. Cover fits over reader body, secured with a screw. An auto-tuning circuit provides consistent read ranges on various mounting surfaces with minimal reduction on metal surfaces.		
<b>Dimensions</b>	3.3" x 4.8" x .95" (8.4 cm x 12.2 cm x 2.4 cm)		
<b>Weight</b>	8.8 oz (249.5 g)		
<b>Power Supply</b>	5 to 12 VDC. Linear supply recommended		
<b>Current Requirements</b>	50/75 mA @ 12 VDC		
<b>Operating Temperature</b>	-40° to 150° F (-40° to 65° C)		
<b>Operating Humidity</b>	5% to 95% relative humidity non-condensing		
<b>Transmit Frequency</b>	125 kHz and 13.56 MHz		
<b>Cable Distance</b>	Wiegand Interface 500 ft (150 m) 22 AWG		
<b>Card Compatibility</b>	<p><b>125 kHz Proximity</b></p> <ul style="list-style-type: none"> <li>HID and Indala proximity cards, keyfobs, and tags</li> <li>AWID Credentials</li> </ul> <p><b>13.56 MHz contactless smart cards</b></p> <ul style="list-style-type: none"> <li>ISO 15693 - read only; 2k bit (256 Byte), 16k bit (2k Byte) and 32k bit (4k Byte); serial number</li> <li>ISO 14443A - read only; MIFARE (serial number)</li> <li>ISO 14443B - read only; 2k bit (256 Byte) and 16k bit (2k Byte)</li> <li>US Government PIV</li> </ul>		
<b>Certifications</b>	FCC Certification, Canada Certification CE Mark (Europe), New Zealand, Australia c-Tick Pending Certifications: UL 294/cUL, Taiwan, Korea, Japan, China, IP		
<b>Housing Material</b>	UL94 Polycarbonate		
<b>Warranty</b>	Warranted against defects in materials and workmanship for life. (See complete warranty policy for details.)		

\*Dependent upon installation conditions.

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MKT-RP40-DS-EN

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**ACCESS** experience.

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